

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 18921  
Application ID: 10065425  
Title of Invention: TIRE SIDE SLIP ANGLE CONTROL  
FOR AN AUTOMOTIVE VEHICLE  
USING STEERING PEAK SEEKING  
ACTUATORS  
First Named Inventor: Keith Mattson  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-10-16  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 201-1535 GAS  
Digital Certificate Holder: cn=Raymond L. Coppiellie, ou=Registered Attorneys, ou=Patent  
and Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: GTptK1ma1N99sDP9CVTvOg==  
Total Fees Authorized: \$820.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Sandra M. Lewis



# TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket  
Number:

201-1535  
GAS

Submission Type: Utility Patent  
Filing

## TIRE SIDE SLIP ANGLE CONTROL FOR AN AUTOMOTIVE VEHICLE USING STEERING PEAK SEEKING ACTUATORS

First Named Inventor: Keith Glenn Mattson

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Saundra M. Lewis Electronic Filing  
Specialist

Electronic Signature Mark: /sml

Date Signed: 20021016

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

declaration

declaration1 of2.tif

declaration	declaration2of2.tif
declaration	consentletter.tif
declaration	infodisclosurestatement1of2.tif
declaration	infodisclosurestatement2of2.tif
specification	Specification.xml
bibd-transmittal	201-1535apds.xml
fee-transmittal	201-1535fee.xml
patent-assignments	201-1535asgn.xml

**Attached Image File(s):**

declaration1of2.tif  
declaration2of2.tif  
consentletter.tif  
infodisclosurestatement1of2.tif  
infodisclosurestatement2of2.tif

**Comments:**

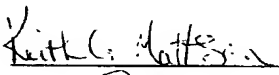
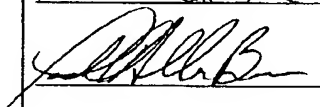
If insufficient funds in Deposit Account 06-1510, please use Deposit Account 06-1505.



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Artz & Artz PLC  
28333 Telegraph Road, Suite 250  
Southfield, MI 48034 Phone: 248 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE
Keith Glenn Mattson 30650 Rayburn St. Livonia, MI 48154 US	Livonia, MI 48154 US	U.S.A	
Todd Allen Brown 233 N. Mildred St. Dearborn, Mi. 48128 US	Dearborn, Mi. 48128 US	U.S.A	

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. 201-1535  
Date: October 9, 2002


Sir:

Inventor(s):  
**Keith Mattson**  
**Todd Brown**

For: **TIRE SIDE SLIP ANGLE CONTROL FOR AN AUTOMOTIVE VEHICLE USING STEERING PEAK  
SEEKING ACTUATORS**

The attorney or agent below has reviewed this application and its attachments and consents to  
electronic filing by the assignee.

Respectfully submitted:

  
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Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	Filed Herewith
				First Named Inventor	Keith G. Mattson
				Group Art Unit	
				Examiner Name	
Sheet	1	Of	1	Attorney Docket Number	201-1535 (FGT-1609 PA)

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	
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Signature	Considered	Not Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

considered. Include copy of this form with next communication to applicant.

Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



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Substitute for Form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	Unassigned		
		Filing Date	Filed Herewith		
		First Named Inventor	Keith G. Mattson		
		Group Art Unit			
		Examiner Name			
Sheet	1	Of	1	Attorney Docket Number	201-1535 (FGT 1609 PA)

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	1	Yasuo Shimizu, Toshitake Kawai, Junji Yuzuriha: Improvement in Driver-Vehicle System Performance by Varying Steering Gain with Vehicle Speed and Steering Angle: VGS (Variable Gear-Ratio Steering System) SAE Technical Paper 1999-01-0395	

Examiner Signature		Date Considered	
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup>Unique citation designation number. <sup>3</sup>Applicant is to place a check mark here if English language Translation is attached.

# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 820**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: 06-1510

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Sandra M. Lewis

Electronic Signature Mark: /sml

Date Signed: 20021015

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 15	1202	\$ 18	0	\$ 0
Independent Claims: 3	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80